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M Kamath, G Alonso, R Günthör, C Mohan - Advances in Database Technology ... - Springer ... These can be adapted to WFMS to speed up recovery. A disaster ... selected. For important processes (instances), the information to **restore** processes to the same state they had at the primary server is found in the hash table. For ...

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Low cost management of replicated data in fault-tolerant distributed systems

TA Joseph, KP Birman - ACM Transactions on Computer Systems (... , 1986 - portal.acm.org ... failure recovery mechanism. ... restart; H.2.4 [Database Management]: Systems-transaction processing. General Terms: Reliability Additional Key Words and Phrases: Replicated data, concurrent update, piggybacked update, roll-forward recovery. ...

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[CITATION] Data-Patch: Integrating inconsistent copies of a database after a partition

H Garcia-Molina, T Mien, BBRM ... - ... , 1983 - IEEE Computer Society Press

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An integrated approach to **recovery** and high availability in an updatable, distributed data warehouse

E Lau, S Madden - ... of the 32nd international conference on Very ... , 2006 - portal.acm.org

... If more than K sites fail simultaneously, our approach no longer applies, and the recovery mechanism must rely on other methods, such as restoring from some archival copy or rolling back changes to **restore** some globally consistent state. ...

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[CITATION] Distorted mirrors

JA Solworth, CU Orji - Parallel and Distributed Information Systems, 1991. , ... , 1991

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[PDF] ICR: in-cache replication for enhancing data cache reliability[psu.edu](#) [PDF]

W Zhang, S Gurusurthi, M Kandemir, A ... - Proc. of the Intl. ... , 2003 - Citeseer

... The first scheme uses both these mechanisms (**replicating data** at both L1 misses and at writes), while the second scheme uses only the second ... Note that, in both the schemes, if an error occurs for a modified data with- out replica (and without ECC), recovery may not be possi ...

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System and method for asynchronous store and forward data replication

DA Shakib, S Norin, ML Benson - US Patent 5,812,793, 1998 - Google Patents

... invention, the following definitions for key terms is provided: Asynchronous store and forward replication: A process of 20 **replicating data** throughout a ... Backfill: A discovery based data recovery process by which changes held by other servers (called replica nodes) but not held ...

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System and method for discovery based data **recovery** in a store and forward replication process

S Norin, DA Shakib, ML Benson - US Patent 5,832,514, 1998 - Google Patents

... Asynchronous store and forward replication: A process of **replicating data** throughout a network or enterprise by 55 broadcasting locally made changes ... Backfill: A discovery based data recovery process by which changes held by other servers (called replica nodes) but not held ...

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Growth codes: Maximizing sensor network data persistence[psu.edu](#) [PDF]

A Kamra, V Misra, J Feldman, D ... - Proceedings of the 2006 ... , 2006 - portal.acm.org


... This is done by **replicating data** compactly at neighbor- ing nodes using novel "Growth Codes" that increase in efficiency as data accumulates at the sink. ... sink node is able to receive novel data at least as fast as any other protocol and in most cases, is able to recover all symbols ...

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[CITATION] Independent **recovery** in large-scale distributed systems[upatras.gr](#) [PDF]

P Triantafyllou - IEEE Transactions on Software Engineering, 1996
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